

**Supplemental Specification
2004 Standard Specification Book**

Section 01721M

SURVEY

Add the following to Section 01721, Article 3.5:

- H. The following Advanced Traffic Management System (ATMS) As-Built requirements apply to all ATMS device installations, that include but are not limited to Ramp Meters, Closed Circuit Television (CCTV), Variable Message Sign (VMS), Roadway Weather Information System - Environmental Sensor Station (RWIS-ESS), Weigh In Motion (WIM), and Fiber Optic Communication Systems.
1. Department:
 - a. Provide project design files to Contractor in MicroStation format.
 2. Contractor:
 - a. Carefully document all changes and updates all files to accurately represent the system as-built conditions.
 - b. Plot three sets of the updated files on 11-inch x 17-inch bond paper and submit the plots to the Engineer for review and approval.
 3. As-built drawings will not be considered complete until the Engineer has given formal approval of the plots and design files.
 4. Include the following in as-built drawings:
 - a. Site plans with distances.
 - b. Final cabinet configuration, including wiring schematic.
 - c. Pin-outs for any custom connectors.
 - d. Laminated copy of the detector layout for the site, consisting of site map and including detector numbering, locations, and input file designation.
 - e. GPS coordinates for all junction boxes, conduit runs (250 foot intervals), and ATMS devices. Include latitude, longitude, and elevation in WGS 84 format to nine decimal place precision (XXX.XXXXXXX) in coordinates.